

Atty. Docket No.: P65141US0  
Serial No.: 09/508,095

$R_1$ -GRRRRSVQWCAVSQPEATKCFQWQNRMRKVRGPPVSCIKRDSPIQCIQA- $R_2$ ,  
 $R_1$ -VYQHOKAMPKPWIQPKTKVIPYVRYL- $R_2$ ,  $R_1$ -ARRARVVWAAVG- $R_2$ ,  
 $R_1$ -CAVGGGCIAL- $R_2$ ,  
 $R_1$ -RHTRKYWCROGARGGCITL- $R_2$ ,

wherein

$R_1$ ,  $R_2$  independently represents  $NH_2$ , an amino acid, or a peptide containing up to 100 amino acids, and

$R_3$ ,  $R_4$  independently represents  $COOH$ ,  $CONH_2$ , an amino acid, or a peptide containing up to 100 amino acids;

and the amide acetylated, sulfated, phosphorylated, glycosylated, oxidized derivatives or fragments thereof having bifidogenic properties. --

### IN THE CLAIMS

Cancel claims 1, 4, and 5, without prejudice or disclaimer, and add the following claims.

6. Peptides obtainable by:

- adding proteases to cow's milk or human milk, followed by incubation for two hours;
- centrifugation to remove milk fat;
- acidification to a pH of 2.0 with strong acids;
- removing the precipitated proteins;
- application of at least one reverse phase HPLC step;